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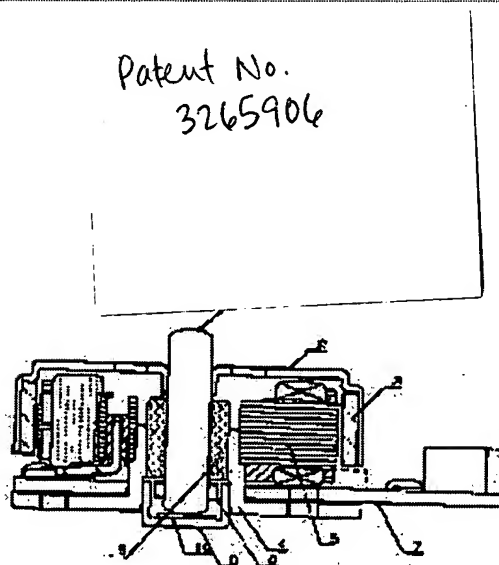
(54) COMPACT BRUSHLESS MOTOR

(57)Abstract:

PURPOSE: To provide a compact brushless motor by constituting the motor of inexpensive parts using metal press machining and simplifying the structure, to provide a structure, wherein the force generated in assembling does not give effects on a mounting surface, and to improve the squareness of a shaft.

CONSTITUTION: At least two through holes 11 are provided in the top panel of a frame 2 of a rotor. Thus, a stator can be supported by way of the through holes.

Therefore, the force generated in assembling is not applied on an attaching base in this structure. A printed board 7 is bonded and fixed to the planar part of a bracket 4 with double coated tape in this structure. A fall preventing ring (metal ring) 8, which is formed by metal press machining, is pressed into the other end of a shaft 1 of the rotor and fixed, and the falling of the rotor is prevented. A bottom plate (steel plate) 9, which is formed by the metal press machining for supporting the load of the rotor in the thrust direction, is pressed into the burring inlet of the bracket 4 and fixed.



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